TRANSLATION PATENT COOPERATION TREATY PCT INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicat 44	nt's or agent's file reference	FOR FURTHER ACTION	N	See Form PCT/IPEA/416						
	onal application No.	International filing date (day/	/month/year)	Priority date (day/month/year)						
PCT	/EP2005/000319	14.01.2005		14.01.2004						
	onal Patent Classification (IPC) or nati	onal classification and IPC								
G01J3/46										
Amaliana										
	Applicant DEGUDENT GMBH									
1.	under Article 35 and transmitted to the applicant according to Article 36.									
2.	This REPORT consists of a total of	4	_ sheets, including	this cover sheet.						
3.	This report is also accompanied by A	NNEXES, comprising:								
	a. (sent to the applicant and	to the International Bureau) a	total of 8	sheets, as follows:						
	1	•		mended and are the basis for this report and/or						
	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental									
	Box.									
	b (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))									
	, containing a sequence listing and/or tables									
	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4.	This report contains indications relati	ng to the following items:								
	Box No. I Basis of the	report								
	Box No. II Priority	•								
		shment of opinion with regard	to novelty inventi	ve step and industrial applicability						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicab Box No. IV Lack of unity of invention									
		•	ith regard to novelt	y, inventive step or industrial applicability;						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
	Box No. VI Certain doc	uments cited								
	Box No. VII Certain defe	ects in the international applica	tion							
	Box No. VIII Certain obs	ervations on the international a	pplication							
Date of submission of the demand			f completion of this	s report						
Name ar	nd mailing address of the IPEA/EP	Author	rized officer							
Facsimil	e No.	Teleph	one No.							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2005/000319

Box No.	. I	Basis of the report							
	_	to the language, this report is based on the international der this item.	onal application in the language in	which it was filed, unless otherwise					
		port is based on translations from the original languist the language of a translation furnished for the pur		,					
	international search (Rule 12.3 and 23.1(b))								
	publication of the international application (Rule 12.4)								
	i	nternational preliminary examination (Rule 55.2 and	1/or 55.3)						
re	_	to the elements of the international application, this fice in response to an invitation under Article 14 a	<u> </u>	· ·					
	the inte	ernational application as originally filed/furnished							
	the des	scription:							
	pages	2,6-14		as originally filed/furnished 15.11.2005 with letter					
	pages*	1,3,3a,4,5	received by this Authority on	of 11.11.2005					
	pages*	· · · · · · · · · · · · · · · · · · ·	received by this Authority on						
\geq	the clai	ims:							
	nos.	10		as originally filed/furnished					
	nos.*		as amended (togethe	er with any statement) under Article 19					
	nos.*	1-9	received by this Authority on	15.11.2005 with letter					
	nos.*		_ `						
∇	the dra		_						
				:-:11:					
	sheets			as originally filed/furnished					
	sheets*								
_	sheets*	k	_ received by this Authority on						
	a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.								
3.	The an	nendments have resulted in the cancellation of:							
	t	he description, pages							
	t	he claims, nos.							
		he drawings, sheets/figs							
	t	he sequence listing (specify):							
	а	any table(s) related to sequence listing (specify):							
4.		eport has been established as if (some of) the amen ave been considered to go beyond the disclosure as f	-						
		he description, pages							
		he claims, nos.							
		he drawings, sheets/figs							
		he sequence listing (specify):							
		any table(s) related to sequence listing (specify):							
* If :		lies, some or all of those sheets may be marked "sup							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2005/000319

		nder Article 35(2) with regar ons supporting such stateme	d to novelty, inventive step or industrial applicability;	
1. Statement				
Novelty (N)		laims <u>1-9</u>		YES
		laims		NO
Inventive st	ep (IS)	laims 1-9		YE
				NO
Industrial ap	oplicability (IA)	laims 1-9		YE
				NO NO
2. Citations and e	xplanations (Rule 70	•		
			following documents:	
Γ)1: SHIMA	A M ET AL: "M	elanin and blood	
	conce	tration in a	human skin model studied	
	by mu	tiple regress	ion analysis: Assessment	
	by Mo	te Carlo simu	lation" PHYSICS IN	
	MEDIO	NE AND BIOLOG	Y, Vol. 46, No. 9,	
	Septe	mber 2001 (200	1-09), pages 2397-2406,	
	XP002	25296 ISSN: 0	031-9155	
Γ)2: US 20	3/223060 A1 (GRAF JOHN FREDERICK ET AL)	
	4 Dec	mber 2003 (20	03-12-04)	
Ι)3: US-A-	717 605 (KOM	IYA ET AL)	
	10 F	ruary 1998 (1	998-02-10)	
I	04: DE 19	5 52 885 A1 (B.	ASF COATINGS AG, 48165	
	MUENS	ER, DE) 25 Ju	ne 1998 (1998-06-25)	
Ι	ocument I	is considere	d the prior art closest to	
t	he subjec	matter of cl	aim 1 and discloses a	
n	nethod for	determining t	he colour effect of	
C	lispersive	materials, ac	cording to the preamble of	
C	claim 1.			
٦	The subjec	matter of cl	aim 1 thus differs from	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

the known method in that a corrected absorption co-efficient is calculated by an additional inverse Monte Carlo simulation based on the remission of the particular material of an optically dense layer.

The subject matter of claim 1 is thus novel (PCT Article 33(2)).

The present invention can therefore be considered to address the problem of achieving a sufficiently precise determination of the colour effect of the multilayer system. This is of particular significance in the dental industry, since even minimal differences in colour between dentures and natural teeth are discernible.

Such a solution is not suggested by the cited prior art. The solution to the problem of interest as proposed in claim 1 of the present application therefore involves an inventive step (PCT Article 33(3)).

Claims 2 to 9 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.